

SEQUENCE LISTING

<110> NAKAI, JUNICHI

 $<\!120\!>\,$ METHOD FOR PRODUCING A BIOSENSOR PROTEIN CAPABLE OF REGULATING A FLUORESCENCE PROPERTY OF GREEN FLUORESCENT PROTEIN, AND THE BIOSENSOR PROTEIN PRODUCED BY THE METHOD

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<140> 09/989,025

<141> 2001-11-21

<150> JP/2000-356047

<151> 2000-11-22

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<170> PatentIn version 3.1

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									gtc Val				288
									cgc Arg				336
									ctg Leu 125				384
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									cag Gln				480
									gac Asp				528
									ggc Gly				576

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aaa gac ccc aac gag aag cgc gat cac atg gtc ctg ctg gag ttc gtg Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Leu Glu Phe Val 210 215 220
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Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Leu 50 55 60
Thr Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln 65 70 75 80
His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg 85 90 95
Thr Ile Phe Phe Lys Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val

Lys Phe Glu Gly Asp Thr Leu Val Asn Arg Ile Glu Leu Lys Gly Ile 115 120 125

Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn 130 135 140

Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly 145 150 155 160

Ile Lys Val Asn Phe Lys Ile Arg His Asn Ile Glu Asp Gly Ser Val 165 170 175

Gln Leu Ala Asp His Tyr Gln Gln Asn Thr Pro Ile Gly Asp Gly Pro 180 185 190

Val Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser 195 200 205

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ggg ac Gly Th															144
cag ga Gln As 50	sp Me														192
ttc co Phe Pr 65															240
agt ga Ser Gl															288
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Gln Asp Met Ile Asn Glu Val Asp Ala Asp Gly Asn Gly Thr Ile Asp 50 55 60

Phe Pro Glu Phe Leu Thr Met Met Ala Arg Lys Met Lys Asp Thr Asp 65 70 75 80

Ser Glu Glu Ile Arg Glu Ala Phe Arg Val Phe Asp Lys Asp Gly 85 90 95

Asn Gly Tyr Ile Ser Ala Ala Glu Leu Arg His Val Met Thr Asn Leu 100 105 110

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					acc Thr											528
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					ggc Gly											672
gac Asp 225	gac Asp	ggc Gly	aac Asn	tac Tyr	aag Lys 230	acc Thr	cgc Arg	gcc Ala	gag Glu	gtg Val 235	aag Lys	ttc Phe	gag Glu	ggc Gly	gac Asp 240	720
					atc Ile											768
ggc Gly	aac Asn	atc Ile	ctg Leu 260	ggg Gly	cac His	aag Lys	ctg Leu	gag Glu 265	tac Tyr	aac Asn	acg Thr	cgt Arg	gac Asp 270	caa Gln	ctg Leu	816
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					aca Thr											912
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					gac Asp											1008

ctg aca Leu Thr									1056
att aga Ile Arg									1104
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Asp Lys Gln Lys Asn Gly Ile Lys Val Asn Phe Lys Ile Arg His Asn 35 40 45

Ile Glu Asp Gly Ser Val Gln Leu Ala Asp His Tyr Gln Gln Asn Thr

- Pro Ile Gly Asp Gly Pro Val Leu Leu Pro Asp Asn His Tyr Leu Ser 70 75 80
- Thr Gln Ser Ala Leu Ser Lys Asp Pro Asn Glu Lys Arg Asp His Met 85 90 95
- Val Leu Leu Glu Phe Val Thr Ala Ala Gly Ile Thr Leu Gly Met Asp 100 105 110
- Glu Leu Tyr Lys Gly Gly Thr Gly Gly Ser Met Val Ser Lys Gly Glu
 115 120 125
- Glu Leu Phe Thr Gly Val Val Pro Ile Leu Val Glu Leu Asp Gly Asp 130 135 140
- Val Asn Gly His Lys Phe Ser Val Ser Gly Glu Gly Glu Gly Asp Ala 145 150 155 160
- Thr Tyr Gly Lys Leu Thr Leu Lys Phe Ile Cys Thr Thr Gly Lys Leu 165 170 175
- Pro Val Pro Trp Pro Thr Leu Val Thr Thr Leu Thr Tyr Gly Val Gln 180 185 190
- Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln His Asp Phe Phe Lys 195 200 205
- Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg Thr Ile Phe Phe Lys 210 215 220
- Asp Asp Gly Asn Tyr Lys Thr Arg Ala Glu Val Lys Phe Glu Gly Asp 225 230 235 240
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260 265 270

Thr Glu Glu Gln Ile Ala Glu Phe Lys Glu Ala Phe Ser Leu Phe Asp 275 280 285

Lys Asp Gly Asp Gly Thr Ile Thr Thr Lys Glu Leu Gly Thr Val Met 290 295 300

Arg Ser Leu Gly Gln Asn Pro Thr Glu Ala Glu Leu Gln Asp Met Ile 305 310 315 320

Asn Glu Val Asp Ala Asp Gly Asn Gly Thr Ile Asp Phe Pro Glu Phe 325 330 335

Leu Thr Met Met Ala Arg Lys Met Lys Asp Thr Asp Ser Glu Glu Glu 340 345 350

Ile Arg Glu Ala Phe Arg Val Phe Asp Lys Asp Gly Asn Gly Tyr Ile 355 360 365

Ser Ala Ala Glu Leu Arg His Val Met Thr Asn Leu Gly Glu Lys Leu 370 380

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